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ZNR UUUUU

P 181100Z JUN 14 ZYB

FM NAVSURFWARREN SHIPSYSENGSTA PHILADELPHIA PA TO COMNAVSURFPAC SAN DIEGO CA
COMNAVAIRPAC SAN DIEGO CA COMNAVSURFLANT NORFOLK VA COMNAVAIRLANT NORFOLK VA INFO
COMUSFLTFORCOM NORFOLK VA COMPACFLT PEARL HARBOR HI COMNAVSEASYS COM WASHINGTON
DC PEO CARRIERS WASHINGTON DC PEO SHIPS WASHINGTON DC PEO LCS WASHINGTON DC
COMNAVSAFECEN NORFOLK VA PRESINSURV VIRGINIA BEACH VA SWOSCOLCOM NEWPORT RI
SWOSCOLCOM ENG LS NORFOLK VA SWOSCOLCOM ENG LS SAN DIEGO CA NAVSHIPYD AND IMF PEARL
HARBOR HI NAVSHIPYD NORFOLK VA COMNAVRMC NORFOLK VA NAVSHIPREPFAC AND JAPAN RMC
YOKOSUKA JA FWD SHIPSUSACT NAPLES IT FWD SHIPSUSACT DET BAHRAIN FWD SHIPSUSACT DET ROTA
SP SHIPSUPPACT NORFOLK VA SOUTHEAST RMC MAYPORT FL SOUTHWEST RMC SAN DIEGO CA
NAVSHIPREPFAC AND JAPAN RMC DET SASEBO JA NAVSHIPYD AND IMF PUGET SOUND WA SUPSHIP
BATH ME SUPSHIP GULF COAST MS SUPSHIP NEWPORT NEWS VA SURFMEPP PORTSMOUTH VA BT
UNCLAS //N09593// PASS TO OFFICE CODES:

COMNAVSURFPAC SAN DIEGO CA//N43//

COMNAVAIRPAC SAN DIEGO CA//N43//

COMNAVSURFLANT NORFOLK VA//N43//

COMNAVAIRLANT NORFOLK VA//N43//

COMUSFLTFORCOM NORFOLK VA//N43//

COMPACFLT PEARL HARBOR HI//N43//

COMNAVSEASYS COM WASHINGTON DC//05P5/05V/05D5/04RM/21A

/21A/PMS400F/PMS470//

PEO CARRIERS WASHINGTON DC//PMS312/PMS378// PEO SHIPS WASHINGTON

DC//PMS317/PMS377/PMS400D/PMS500//

PEO LCS WASHINGTON DC//PMS501/PMS505//

COMNAVSAFECEN NORFOLK VA//30//

PRESINSURV VIRGINIA BEACH VA//00//

SWOSCOLCOM NEWPORT RI//N77/N9//

SWOSCOLCOM ENG LS NORFOLK VA//N7//

SWOSCOLCOM ENG LS SAN DIEGO CA//N7//

NAVSHIPYD AND IMF PEARL HARBOR HI//200// NAVSHIPYD NORFOLK VA//200// COMNAVRMC

NORFOLK VA//04Y/04YO// NAVSHIPREPFAC AND JAPAN RMC YOKOSUKA JA//200// FWD SHIPSUSACT

NAPLES IT//100// FWD SHIPSUSACT DET BAHRAIN//100// FWD SHIPSUSACT DET ROTA SP//100//

SHIPSUPPACT NORFOLK VA//210/212/215/216/217// SOUTHEAST RMC MAYPORT FL//200/300/900//

SOUTHWEST RMC SAN DIEGO CA//200/300/900// NAVSHIPREPFAC AND JAPAN RMC DET SASEBO

JA//200// NAVSHIPYD AND IMF PUGET SOUND WA//200// SUPSHIP BATH ME//200// SUPSHIP GULF

COAST MS//200// SUPSHIP NEWPORT NEWS VA//200// SURFMEPP PORTSMOUTH VA//100//

SECINFO/U/-// MSGID/GENADMIN/NSWCCD-SSS 631/14-133// SUBJ/IN-SERVICE ENGINEERING (ISE)

ADVISORY NO 011-14, VACUUM, /COLLECTION, HOLDING AND TRANSFER (VCHT) PIPE CLOGGING

/PREVENTION DEVICE// REF/A/DESC:DOC/USS GEORGE H W BUSH/30SEP2011// REF/B/DESC:DOC/USS

GEORGE H W BUSH/05JAN2012// REF/C/DESC:DOC/NSWCCD-SSS/15NOV2012//

REF/D/DESC:DOC/NAVSEA/01JUN2008//

REF/E/DESC:DOC/NAVSEA/15FEB2008//

REF/F/DESC:DOC/NAVSEA/15FEB2008//

REF/G/DESC:DOC/NAVSEA/30MAR2013//

REF/H/DESC:DOC/NAVSEA/28FEB2014//
REF/I/DESC:DOC/NAVSEA/01DEC2010//
REF/J/DESC:DOC/NAVSEA/01DEC2010//
REF/K/DESC:DOC/NAVSEA/30SEP2013//
REF/L/DESC:DOC/NAVSEA/28FEB2011//
REF/M/DESC:DOC/NAVSEA/30NOV2013//
REF/N/DESC:DOC/NAVSEA/03APR2014//

NARR/REF A IS E-MAIL FROM CVN-77 CHENG/CDR BRIAN LEPINE TO NSWCCD-SSS CODE 912/CYNTHIA JENNINGS). REF B IS E-MAIL FROM CVN-77 CHENG/CDR BRIAN LEPINE TO NSWCCD-SSS CODE 631/ISAAC LORA-GUZMAN.

REF C IS SER 63-TM-2012-156, CVN-77 RAGSNAG REPORT DETAILING FINDINGS OF TESTING. REF D IS TM S9086-T8-STM-010 REV 05, NSTM CHAPTER 593 - POLLUTION CONTROL MANUAL. REFS E IS TM S9593-EY-MMC-010, CVN-77 AND CVN-78 WATER CLOSET ASSEMBLY; MOUNTED, STAINLESS STEEL, VACUUM; OPERATION AND MAINTENANCE MANUAL. REF F IS TM S9593-EZ-MMC-010, CVN-77 TOILET, FLOOR MOUNTED; OPERATION AND MAINTENANCE MANUAL. REF G IS TM S9528-AE-MMA-010 REV 03, DDG-51 CLASS SEWAGE VACUUM COLLECTION HOLDING & TRANSFER SYSTEM MANUAL.

REF H IS TM S9593-CE-MMA-010 REV 08, DDG-83AF SEWAGE VACUUM COLLECTION HOLDING AND TRANSFER SYSTEM MAINTENANCE MANUAL, ALL LEVELS MANUAL. REF I IS TM S9593-DN-SSM-010 REV 01, SEWAGE VACUUM COLLECTION, HOLDING AND TRANSFER SYSTEM, MODEL 59301 FOR LPD-17; SHIP SYSTEMS MANUAL. REF J IS TM S9593-CW-MMC-010 REV 01, LPD-17 CLASS SEWAGE VACUUM COLLECTION, HOLDING AND TRANSFER UNIT, MODEL 0133; DESCRIPTION, OPERATION AND MAINTENANCE. REF K IS TM

S9593-D1-MMC-010 REV 01, PC-1 CLASS ENVIROVAC VACUUM SEWAGE SYSTEMS; OPERATION AND MAINTENANCE WITH ILLUSTRATED PARTS LIST MANUAL. REF L IS TM S9593-EB-MMC-010 REV 01, LCS-1 VACUUM, COLLECTION, HOLDING, & TRANSFER (VCHT) SYSTEM AND MARINE SANITATION DEVICE (MSD) SYSTEM; OPERATIONS AND MAINTENANCE MANUAL. REF M IS TM S9593-EK-MMC-010 REV 01, LCS-2 CLASS VACUUM TOILET, STAINLESS STEEL, FLOOR MOUNTED, PART # 5327004; INSTALLATION, OPERATION AND MAINTENANCE MANUAL. REF N IS E-MAIL FROM NAVSEA 05P5 TWH/PETER MCGRAW TO NSWCCD-SSS CODE 631/TONY MORALES.// POC/E. DURELLI/CIV/UNIT:NSWCCD-SSS 631/NAME:PHILADELPHIA

/TEL:215 897-7572/EMAIL:ERNEST.DURELLI@NAVY.MIL//

GENTEXT/REMARKS/1. PURPOSE: TO ANNOUNCE THE AVAILABILITY OF A DEVICE THAT CAN BE USED TO HELP PREVENT CLOGGING OF PIPING DOWNSTREAM OF VACUUM WATER CLOSETS DUE TO NON-SEWAGE RELATED OBJECTS.

2. APPLICABILITY: CVN-77, CVN-78 CLASS, DDG-51 CLASS, LPD-17 CLASS, PC-1 CLASS, LCS-1 CLASS (BOTH VARIANTS).

3. BACKGROUND: PER REF A, USS GEORGE H. W. BUSH (CVN-77) REPAIR DIVISION REPORTED APPROXIMATELY TWO THOUSAND ASSOCIATED TROUBLE CALLS WITH VACUUM WATER CLOSETS OR URINALS NOT WORKING PROPERLY DURING THE PERIOD OF NOVEMBER 2010 TO NOVEMBER 2011 AND FIVE TO TEN DAILY TROUBLE CALLS RELATED TO CLOGGED SEWAGE COLLECTION PIPING.

MANY OF THESE TROUBLE CALLS WERE RELATED TO NON-SEWAGE RELATED OBJECTS BEING FLUSHED DOWN THE VACUUM WATER CLOSETS WITH THE RESULTING CLOGGING OCCURRING IN BRANCH PIPING (PIPING THAT COLLECTS WASTES FROM MULTIPLE INDIVIDUAL DRAIN LINES) OR MAIN COLLECTION PIPING. AS A RESULT, INDIVIDUAL OR GROUPS OF SANITARY SPACE FIXTURES WERE RENDERED INOPERATIVE THUS NEGATIVELY IMPACTING VCHT SYSTEM AVAILABILITY, HABITABILITY, QUALITY OF LIFE AND MANPOWER. PER REF B, NAVAL SURFACE WARFARE CENTER, CARDEROCK DIVISION (NSWCCD) CODE

631 CONDUCTED A SHIPBOARD EVALUATION OF A DEVICE THAT CAN BE USED TO HELP PREVENT CLOGGING OF PIPING DOWNSTREAM OF VACUUM WATER CLOSETS DUE TO FOREIGN OBJECTS.

4. SOLUTION: THE RAGSNAG PIPE CLOGGING PREVENTION DEVICE IS A STAINLESS STEEL RING FITTED WITH A SHARP HOOK THAT IS INSTALLED IN A VACUUM WATER CLOSET'S DISCHARGE RUBBER ELBOW. IT WAS DESIGNED TO PREVENT NON-SEWAGE RELATED OBJECTS FROM ENTERING THE SEWAGE COLLECTION PIPING SYSTEM. THE RAGSNAG PIPE CLOGGING PREVENTION DEVICE IS READILY ACCESSIBLE FOR MAINTENANCE/SERVICING BY SHIP'S FORCE USING A SCREWDRIVER AND PLIERS. MODIFICATIONS TO THE PIPING SYSTEM ARE NOT REQUIRED FOR ITS INSTALLATION. REF C, THE RESULTS OF THE EVALUATION ON CVN-77, CONCLUDED THE RAGSNAG PIPE CLOGGING PREVENTION DEVICE WAS EFFECTIVE IN PREVENTING NON-SEWAGE RELATED OBJECTS FROM CLOGGING BRANCH AND MAIN SEWAGE PIPING. IN ADDITION TO CVN-77, SHIPS IN THE DDG-51, LPD-17, PC-1 AND LCS-1/2 CLASSES CAN ALSO BENEFIT FROM THE RAGSNAG PIPE CLOGGING PREVENTION DEVICE.

5. RECOMMENDED ACTION: ALL SHIPS IN THE DDG-51, LPD-17, PC-1 AND LCS-1/2 CLASSES PROCURE AND INSTALL RAGSNAG PIPE CLOGGING PREVENTION DEVICES FOR EACH VACUUM WATER CLOSET. NATIONAL STOCK NUMBER (NSN) 9B 5365-01-616-8794 WAS ESTABLISHED FOR THE RAGSNAG PIPE CLOGGING PREVENTION DEVICE AND COSTS APPROXIMATELY FOURTEEN (14) DOLLARS EACH.

6. ILS IS IMPACTED AS FOLLOWS:

A. TECH MANUALS: SECTION 4 (SEWAGE AND GRAY WATER) OF REF D NSTM CHAPTER 593 - POLLUTION CONTROL, WILL BE UPDATED TO INCLUDE INFORMATION ABOUT THE RAGSNAG PIPE CLOGGING PREVENTION DEVICE. REFS E THRU M - CVN-77, DDG-51, LPD-17, LCS-1/2 AND PC-1 CLASSES VCHT SYSTEM TECHNICAL MANUALS ARE IMPACTED AND WILL BE UPDATED TO INCLUDE INFORMATION ON RAGSNAG PIPE CLOGGING PREVENTION DEVICE TROUBLESHOOTING, INSTALLATION/REMOVAL PROCEDURES, CORRECTIVE MAINTENANCE PROCEDURES, AND THE RAGSNAG PART NUMBER. THE FOLLOWING CONTROL NUMBERS APPLY:

S9086-T8-STM-010 REV 05 N65540-13-C018
S9593-EY-MMC-010 N65540-14-JC03
S9593-EZ-MMC-010 N65540-14-JC05
S9528-AE-MMA-010 REV 03 N65540-13-C013
S9593-CE-MMA-010 REV 08 N65540-13-C014
S9593-DN-SSM-010 REV 01 N65540-13-C015
S9593-CW-MMC-010 REV 01 N65540-13-C016
S9593-D1-MMC-010 REV 01 N65540-13-C017
S9593-EK-MMC-010 REV 01 N65540-14-JC04

B. SDOSS: THERE IS NO IMPACT TO SEWAGE DISPOSAL OPERATING SEQUENCING SYSTEM (SDOSS).

C. SUPPLY SUPPORT/APLS: CVN-77, DDG-51, LPD-17, LCS-1/2 AND PC-1 CLASSES VACUUM WATER CLOSET ALLOWANCE PARTS LISTS (APLS) ARE BEING UPDATED TO INCLUDE THE RAGSNAG PIPE CLOGGING PREVENTION DEVICE PART NUMBER (6541452) AND NSN 9B 5365-01-616-8794.

D. PMS: THERE IS NO IMPACT TO PREVENTIVE MAINTENANCE.

E. CMP: THERE IS NO IMPACT TO EITHER THE SURFACE SHIP INTEGRATED CLASS MAINTENANCE PLAN OR THE AIRCRAFT CARRIER CLASS MAINTENANCE PLAN.

7. THIS ADVISORY WILL REMAIN IN EFFECT UNTIL ALL AFFECTED LOGISTICS DOCUMENTS HAVE BEEN UPDATED AND THE RAGSNAG PIPE CLOGGING PREVENTION DEVICES HAVE BEEN INSTALLED ON ALL APPLICABLE UNITS.

8. ADVISORIES CAN BE VIEWED ON NIPR AT

[HTTPS://HELP.PHDNSWC.NMCI.NAVY.MIL/SITES/S2E/PAGES/DEFAULT.ASPX](https://help.phdNSWC.NMCI.NAVY.MIL/SITES/S2E/PAGES/DEFAULT.ASPX) AND SIPR AT

[HTTPS://HELP.PHDNSWC.NAVY.SMIL.MIL](https://help.phdNSWC.NAVY.SMIL.MIL). USERS CAN REQUEST S2E NIPRNET ACCESS AT THE FOLLOWING URL:

HTTPS://ACCOUNTS.PHDNSWC.NMCI.NAVY.MIL. A DOD CLIENT PKI CERTIFICATE IS REQUIRED FOR ACCESS. SIPRNET S2E ACCOUNT REQUEST CAN BE FOUND AT HTTPS://HELP.PHDNSWC.NAVY.SMIL.MIL. FOR ANY ASSISTANCE, CONTACT CAN BE MADE AT ITHelp.NSWCPHD.FCT@NAVY.MIL FOR NIPRNET, WEBMASTER@PHDNSWC.NAVY.SMIL.MIL FOR SIPRNET OR COM (805) 228-8191, DSN 296-8191.

9. CONCURRENCE OF THE NAVSEA ENVIRONMENTAL SYSTEMS AND MATERIALS ENGINEERING-SHIPS TECHNICAL WARRANT HOLDER WITH THIS ADVISORY WAS GRANTED BY REF N.

10. REQUEST PASS THIS ADVISORY TO ALL APPLICABLE SHIPS FOR INFORMATIONAL PURPOSES AND ACTION AS NECESSARY.// BT

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